Inspiring Innovation • Persistent Perfection

P8H61 EVO

REV 3.0 - New H61 B3 Revision Get green innovations, USB3.0 and SATA 6Gb/s on the H61 platform

- Protect 3.0 - Protect the Earth & the system & you
- Extra USB 3.0 Connector - Double USB Access, Double Convenience
- True USB SATA 6Gb/s Support - fully unleash performance
- EFI BIOS - EZ Mode - Flexible & Easy BIOS Interface
- AI Suite II - One-stop Access to Innovative ASUS Features
- MemOK! - Any Memory is A-OK!

Learn more about the new B3 revision and previous version

LGA1155 socket for Intel® Second Generation Core™ i7/ Core™ i5/ Core™ i3 Processors

This motherboard supports the Intel® second generation Core™ i7 / Core™ i5 / Core™ i3 processors in LGA1155 package with memory and PCI Express controllers integrated to support 2-channel DDR3 memory and 16 PCI Express 2.0 lanes. This provides great graphics performance. Intel® second generation Core™ i7 / Core™ i5 / Core™ i3 processors are among the most powerful and energy efficient CPUs in the world.

Intel® H61(B3) Express Chipset

The Intel® H61(B3) Express Chipset is the latest single-chipset design to support the new 1155 socket Intel® Core™ i7 / Core™ i5 / Core™ i3 2nd generation processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability.

MemOK!

Any Memory is A-OK!
MemOK! quickly ensures memory boot compatibility. This remarkable memory rescue tool requires a mere push of the button to patch memory issues. MemOK! determines failsafe settings and dramatically improves your system boot success. Get your system up and running in no time.

Dual-Channel DDR3 1333 / 1066MHz support

The motherboard supports DDR3 memory that features data transfer rates of 1333 / 1066 MHz to meet the higher bandwidth requirements of the latest 3D graphics, multimedia, and Internet applications. The dual-channel DDR3 architecture enlarges the bandwidth of your system memory to boost system performance.

EPU

Tap into the world's first real time PC power saving engine through AI Suite II utility. Get total system power savings by automatically detecting current PC loadings and intelligently moderating power consumption. This also reduces fan noise and extends component longevity.

Extra USB 3.0 Connector

Double USB Access, Double Convenience
ASUS facilitates strategic USB 3.0 accessibility for both the Onboard and Back panel - 4 x USB 3.0 ports in total. Experience the latest plug & play connectivity at speeds up to 10 times faster than USB 2.0. The P8H61 EVO affords greater convenience to high speed connectivity.

ASUS UEFI BIOS (EZ Mode)

Exclusive to ASUS motherboards, its UEFI (Unified Extensible Firmware Interface) is the first ever mouse-controlled graphical BIOS interface designed with dual selectable modes. It delivers a user-friendly interface that goes beyond traditional keyboard-only BIOS controls to enable more flexible and convenient input with quick scrolling. Users can easily navigate the UEFI BIOS with the smoothness of their operating system. Quick and simple overclocking and setup sharing is facilitated by the F12 hotkey BIOS snapshot feature. The exclusive EZ Mode displays frequently-accessed setup info, while the Advanced Mode is for experienced performance enthusiasts that demand far more intricate system control, including detailed DRAM information.

Supports Hard Drives over 2.2TB
ASUS UEFI BIOS natively supports hard drives larger than 2.2TB in 64-bit, with full storage space utilization helping deliver far more exciting computing than traditional BIOS versions.

Exclusive ASUS Interface
• EZ Mode - gives easy access to selectable, optimized system modes, clear system info display and drag and drop boot prioritizing
• Advanced Mode - for experienced performance enthusiasts that demand intricate system settings

AI Suite II

With its fast user-friendly interface, ASUS AI Suite II consolidates all the exclusive ASUS features into one simple to use software package. It allows you to supervise overclocking, energy management, fan speed control, voltage and sensor readings. This all-in-one software offers diverse and ease to use functions, with no need to switch back and forth between different utilities.

Fanless Design: stylish heatsink solution

The stylish heatsink features 0-dB thermal solution that offers users a noiseless PC environment. Not only the beautiful shape upgrades the visual enjoyment for motherboard users, but also the heatsink design lowers the temperature of the chipset and power phase area through high efficient heat-exchange. Combined with usability and aesthetics, the ASUS stylish heatsink will give users an extremely silent and cooling experience with the elegant appearance!

TurboV

Easy, Real-Time O.C. Tunings
Feel the adrenaline rush of real-time OC-now a reality with the ASUS TurboV. This easy OC tool allows you to overclock without exiting or rebooting the OS; and its user-friendly interface makes overclock with just a few clicks away. Moreover, the ASUS OC profiles in TurboV provides the best O.C. settings in different scenarios.

USB 3.0 support

Experience ultra-fast data transfer at 4.8Gbps with USB 3.0 – the latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10 times faster and is also backward compatible with USB 2.0 components.

Anti-Surge Protection

Protect Your Device Anti-Surge Protection Design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect the system.

1. Real-time over voltage detection.
2. Active protection against potential damage to your motherboards and systems.

8-channel high definition audio

The onboard 8-channel HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output and jack-detect feature that automatically detects and identifies what types of peripherals are plugged into the audio I/O jacks and notifies users of inappropriate connection, which means there will be no more confusion of Line-in, Line-out, and Mic jacks.

Fan Xpert

ASUS Fan Xpert intelligently allows you to adjust the CPU and chassis fan speeds according to different ambient temperatures caused by different climate conditions in different geographic regions and your PC's loading. The built-in variety of useful profiles offer flexible controls of fan speed to achieve a quiet and cool environment.

100% All High-quality Conductive Polymer Capacitors

This motherboard uses all high-quality conductive polymer capacitors onboard for durability, improved lifespan, and enhanced thermal capacity.

True Serial ATA 6Gb/s support

ASUS provides extra SATA 6.0 Gb/s ports with enhanced scalability, faster data retrieval, and double the bandwidth of current bus systems.

ErP ready

The motherboard is European Union´s Energy-related Products (ErP) ready, and ErP requires products to meet certain energy efficiency requirements in regards to energy consumptions. This is in line with ASUS vision of creating environment-friendly and energy-efficient products through product design and innovation to reduce carbon footprint of the product and thus mitigate environmental impacts.

S/PDIF out connector at the back I/O

This motherboard provides convenient connectivity to external home theater audio systems via the optical S/PDIF (SONY-PHILIPS Digital Interface) out connecor at the back I/O. The S/PDIF transfers digital audio without converting it to analog format and keeps the best signal quality.

Specifications

CPU	Intel® Socket 1155 The 2nd Generation Core™ i7/Core™ i5/Core™ i3 Processors Supports Intel® 32 nm CPU Supports Intel® Turbo Boost Technology 2.0 * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types. * Refer to www.asus.com for CPU support list
Chipset	Intel® H61(B3)
Memory	4 x DIMM, Max. 16GB, DDR3 1333/1066 Hz Non-ECC, Un-buffered Memory Dual Channel Memory Architecture Supports Intel® Extreme Memory Profile (XMP) * Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists). * Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows® OS when you want to install 4GB or more memory on the motherboard.
Expansion Slots	1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 3 x PCI
Storage	**Intel® H61(B3) chipset :** 4 x SATA 3Gb/s port(s), black **ASMedia® ASM1061 controller :** 2 x SATA 6Gb/s port(s), black
LAN	Realtek® 8111E , 1 x Gigabit LAN Controller
Audio	Realtek® ALC 887 8-Channel High Definition Audio CODEC - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking **Audio Feature :** - Optical S/PDIF out ports at back I/O

USB Ports	**ASMedia® ASM1042 controller :** 4 x USB 3.0 port(s) (2 at back panel, blue, 2 at mid-board) **Intel® H61(B3) chipset :** 10 x USB 2.0 port(s) (6 at back panel, black, 4 at mid-board)
Overclocking Features	**Overclocking Protection :** - ASUS C.P.R.(CPU Parameter Recall)
Special Features	**100% All High-quality Conductive Polymer Capacitors** **ASUS Protect 3.0** - Anti-Surge protection - Low EMI - ESD - EPU **ASUS Hybrid Switches** - Turbo Key II - MemOK! **ASUS Exclusive Features** - TurboV **ASUS Quiet Thermal Solution** - ASUS Fanless Design: Stylish Heatsink Solution & MOS Heatsink - ASUS Fan Xpert **ASUS EZ DIY:** - ASUS EFI BIOS - ASUS AI Suite II - ASUS AI charger - ASUS CrashFree BIOS 3 - ASUS MyLogo 2 - ASUS EZ Flash 2
Back I/O Ports	1 x PS/2 keyboard (purple) 1 x PS/2 mouse (green) 1 x LAN (RJ45) port(s) 2 x USB 3.0 6 x USB 2.0 1 x Optical S/PDIF out 6 x Audio Jack(s)
Internal I/O Ports	1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) 2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s) 1 x COM port(s) connector(s) 2 x SATA 6Gb/s connector(s) 4 x SATA 3Gb/s connector(s) 1 x CPU Fan connector(s) 2 x Chassis Fan connector(s) 1 x S/PDIF out Header(s) 1 x 24-pin EATX Power connector(s) 1 x 8-pin ATX 12V Power connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x System panel(s) 1 x MemOK! button(s) 1 x Turbo Key II switch(es)
Accessories	User's manual I/O Shield 2 x Serial ATA 6.0Gb/s cable(s)
BIOS	32 Mb Flash ROM, EFI BIOS, PnP, DMI v2.0, WfM2.0, SMBIOS v2.6, ACPI v2.0a, Multi-language BIOS
Manageability	WOL by PME, WOR by PME, PXE
Support Disc	Drivers ASUS Utilities ASUS Update Anti-virus software (OEM version)
Form Factor	ATX Form Factor 12 inch x 8.4 inch (30.5 cm x 21.3 cm)